The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

| Application Serial Number: | 10/5/0,953 |
|----------------------------|------------|
| Source: | Per |
| Date Processed by STIC: | 8/16/06 |
| | |

ENTERED

CRF Errors Edited by the STIC Systems Branch

| Serial | Number: 10/5/0,953 | CRF Edit Date: 8/16/06 Edited by: |
|-------------|--|--------------------------------------|
| | Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line | in cases where the sequence |
| | Corrected the SEQ ID NO. Sequence numbers ed | dited were: |
| | Inserted or corrected a nucleic number at the end NO's edited: | d of a nucleic line. SEQ ID |
| | Deleted: invalid beginning/end-of-file text;_ | page numbers |
| | Inserted mandatory headings/numeric identifiers | s, specifically: |
| | Moved responses to same line as heading/numeric | c identifier, specifically: |
| _ | Other: Seguera 1- corrected (2/27 res | porse |



PCT

RAW SEQUENCE LISTING DATE: 08/16/2006
PATENT APPLICATION: US/10/510,953 TIME: 11:02:04

Input Set : N:\AMC\BIF 023280 liste seq. Regimbeau.txt

Output Set: N:\CRF4\08162006\J510953.raw

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             Centre National de la Recherche Scientifique - CNRS
             Genoscope
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     9 <130> FILE REFERENCE: D19791
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C--> 11 <141> CURRENT FILING DATE: 2004-10-29
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



PCT

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PATENT APPLICATION: US/10/510,953 TIME: 10:11:09

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5 Genoscope
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Does Not Comply Corrected <u>D</u>iskette Needed

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PATENT APPLICATION: US/10/510,953

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Input Set : N:\DA\pto.da.txt

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PATENT APPLICATION: US/10/510,953

DATE: 04/04/2006 TIME: 10:11:09

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04042006\J510953.raw

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Input Set : N:\DA\pto.da.txt

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PATENT APPLICATION: US/10/510,953

DATE: 04/04/2006 TIME: 10:11:09

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PATENT APPLICATION: US/10/510,953

DATE: 04/04/2006 TIME: 10:11:09

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04042006\J510953.raw

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DATE: 04/04/2006 TIME: 10:11:09

Input Set : N:\DA\pto.da.txt

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| 443 | gcgcctgggc | cagaccaaca | ccgagctcaa | ccaacgcctg | accgacctgg | agegeeaget | 25140 |
| 444 | tcgggagcag | accgaggcca | agctcgagga | ccagcagcag | tacaaggccc | tttgggaggc | 25200 |
| 445 | ggccaagcag | accgtggcga | ccctcgagac | cgaggtggcc | acgctcaaga | cacagatcga | 25260 |
| 446 | gaccgagaag | gaaggccaac | agcgcgaacg | gctcaagtcg | teegeeetgg | ccgtcttcca | 25320 |
| 447 | ttctgccggc | gtggtcgctc | cggagcagct | gtacaccatc | cttggtggcg | gcatccggca | 25380 |
| 448 | gaccgaatcc | ggcctcgcct | tcctgcaggg | gggagtcgag | cgggacctgg | cccagtacgt | 25440 |
| 449 | ggccagcctc | aaggcgccca | actccggatt | cgagcaccac | tttgccccca | gcggtgggcg | 25500 |
| 450 | aggcatgggc | accccggtct | ctgcggcccc | cgtcggtggc | ggtggcagcg | cagcagagga | 25560 |
| 451 | cgtctccaac | ccctggacca | aagccggctg | gaaccggacc | gggcaactgg | cgctccaggc | 25620 |
| 452 | caagaaccca | gagctcgccg | cccagatgaa | ggccgcagcc | ggcgtcacgt | aaaccaccac | 25680 |
| 453 | ctgagaggcc | accatggctc | aagcagccca | cctgggcaac | ttcgggggtt | tcaccacccc | 25740 |
| 454 | cacccccgtc | ggcatcggct | cgagcgggtc | ccccaactgg | ggcaccacgt | tcgcaggcga | 25800 |
| 455 | cctgggggag | ctcgccaacc | gccccgagtt | cggggccgcc | atccgtgagg | aggtgttcaa | 25860 |
| 456 | cagcttcgcc | tggatcaact | ccggcgcgat | ccagcgcgac | gaacggctcg | acgcccgcaa | 25920 |
| 457 | ccggggcgcc | tcgatcagcc | tgcccctgat | caacccgttc | atccccacgt | cggagacgat | 25980 |
| 458 | caagagcaac | agcacctggg | gcgccagcgg | caaaggctac | ctgacccccc | agaagctcaa | 26040 |
| 459 | cgccggggac | tggaaactcc | ccatcgtgca | ccggggcttc | gctgccggcg | ccgacgagct | 26100 |
| 460 | gtdcgagatd | atcaccggca | tcgacccgat. | agoggracte | gagtectaca | toattaccaa | 26160 |
| 461 | ggcccagcgc | ctcgagacgc | aacgggccct | ggccaccatg | gagggcgccc | tccggggccc | 26220 |
| 462 | cctgtccacc | acccacgtgg | ttgacatcag | ccggaccggc | accggcccga | gcgacgcgga | 26280 |
| 463 | caacttcctg | agctcttcgg | tgatgctccg | gggtaaggcc | cggctcggtg | agcggggctc | 26340 |
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| 465 | gctgaccttc | agctccgaca | gcctgaccgc | cgggggcgag | atcaagtggg | gcggcggcgg | 26460 |
| 466 | catcggggtc | acccaggccc | gcgttgccga | catggctggc | ttccgtgtca | tcgtggacga | 26520 |
| 467 | cctgctcgcc | ccgacgatcg | acgccaccaa | tggggacaag | taccccgtct | acctgatggc | 26580 |
| 468 | caacggcgcc | atccggcagg | gcatccagcg | cgacttccgg | gtgcgctacg | gggagaacat | 26640 |
| 469 | cctcagcttc | caggaggtgc | tcgccgccga | ctggcacggc | tcgatggggg | tcctcgggat | 26700 |
| 470 | ctcctacgag | tccaacgccc | cggacaaccc | cgaggacgcc | gacctgatcg | atcccgacag | 26760 |
| 471 | ctgggagctc | gtctacaccg | agccccgcct | ggtgccgatc | gtcaagctgg | tctgcaattc | 26820 |
| 472 | gccgttcgct | gtcaacccct | gagcccctgg | ggtaggatgg | caaggccacg | ggacgccgtg | 26880 |
| 473 | gcccccaacg | gtcggccccg | tctcccaccc | cggaggcggg | gccttcctat | gttggggcgg | 26940 |
| 474 | tgctgtgccc | cccgatggag | ctcctccccg | ttgacctggc | cgacgccgac | gcctacatgg | 27000 |
| 475 | ctctgggcgc | ccggggcccc | ctctggctgg | ccgtcgggga | cgaagccgcc | cggcaggtgg | 27060 |
| 476 | ccctgaccga | ggcgttccgc | tggctccaga | cgctgccgat | ccgggaccgc | ccgacggacg | 2/120 |
| 477 | cctgcgccag | gccattcgac | gagtgctggg | tgacggcaaa | cgccgaggtg | geeetggeee | 27180 |
| 478 | tacaccgcga | ttctgcagcc | gtggtccccg | ccggcagcca | ggccgggccc | gtggccaaga | 27240 |
| 479 | gtcaggccct | gggcgccctc | cagcagtcgt | tcttctcgat | ggccgagtgg | aagacccgct | 27300 |
| 480 | acgaccaaaa | cgaccacccc | ctgctgcggg | ccttcccctg | gatctactcg | atcctgggat | 27360 |
| 481 | gctggctgcc | gagcaagtcc | aaagtcctgc | accgggtccg | cagctgagta | gcctggcggt | 27420 |
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| 487 | acagaagccg | accccaccta | caccagccag | ggcctgatcg | ccagccaact | cgtttgtgag | 27780 |
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| 489 | gggcgcccag | ctgcgcctca | ccgtcgtcca | ggcccaggcc | gaccttggga | gcgccgcagt | 27900 |
| 490 | gagccccgtc | gacaccggcc | ggttccgctc | ctcctggttc | gccagcaaga | gccggccctc | 27960 |
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PATENT APPLICATION: US/10/510,953 TIME: 10:11:09

DATE: 04/04/2006

Input Set : N:\DA\pto.da.txt

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| 493 | cgaaggccga | gtcgtgtcga | agcccgccac | ctggttccgg | tccttccgtg | aggcccggtt | 28140 |
| 494 | gcccaggatc | caggacgccg | ccggcaagct | catcaagaag | cagtacgacc | tgtgatgtcc | 28200 |
| 495 | ttcgccccca | tccgcgccat | cctcgagggc | gacgtcgccg | ccgcagtgga | cccggtgtca | 28260 |
| 496 | gtcgtcttcg | acaacacctt | cgagacgccc | ccgagcctgc | cctacgtccg | gttcaccgtc | 28320 |
| 497 | agctttgacg | ccccgacgtc | ggacgccatc | ggcggcggca | tggcctccca | cgtgaccggg | 28380 |
| 498 | gtggtgcagg | ccaacgtcta | cgtggccaag | atgacaggca | gcctgggcgg | ggagctcctg | 28440 |
| 499 | gcggccaaga | tcctggacgc | ctggcaggac | ctggccgctg | cagccgtcgt | gccccccggg | 28500 |
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| 501 | gcccacgtcg | tggtcgtcgg | ggccgccttc | tcggcgacgc | tctacgagac | gccctaatct | 28620 |
| 502 | gggacgacgt | cacccctagg | ccccagatgc | ccgtcacctg | ctcgaaaacc | ctcctgtcgg | 28680 |
| 503 | ggatcgacgg | gtcggccgcg | ttcatccccg | ccgctacccg | gcactgcctg | ctcgacaaca | 28740 |
| 504 | ccgatttccc | ggctggtacc | gagatcacgg | tcccggccga | ccacgactac | ctggtgggtg | 28800 |
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| 507 | ccqcaqqqqq | cgccccgatc | accctgaacg | gtgacggcgg | caccggtacc | gccaactccg | 28980 |
| 508 | gggccccggc | ccagaaccac | atcaagatcc | agttcgctgc | ccacatggcc | ctctgccagg | 29040 |
| 509 | troagggctg | gaactgcaac | ctcagccggg | aggaggtcat. | gaccangger | ctgcagtgcg | .89100 |
| 510 | ggccgacgac | cgacaacggc | gccaatgccc | cgttcatgac | ccgccaggee | ggctacgtcg | 29160 |
| 511 | acggctccgg | ctcgatggtg | gtccgcttca | cccgggacca | ggagtcgctg | tetegeegee | 29220 |
| 512 | tcctccgcaa | cagcctccgg | aagaaccagg | acggcgcctc | ggtgcagctg | ttcgtcgaca | 29280 |
| 513 | cqqtctacqq | ccccagcggc | accatcgacc | tggccggctc | cgagttcatc | gagggcccgg | 29340 |
| 514 | tgtcgatcct | gggcttcgcc | ctgggcgtaa | ccaccgggtc | ggagcccacc | cagggcaccg | 29400 |
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| 518 | caggccgccg | agaacgccaa | gagcgacgag | cagctggagg | tcaacctcgg | cctgctgatc | 29640 |
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| 520 | cgccggtccg | tcagcgccga | gtacgtggcc | gacctggtca | acgcgctcta | ctcgacgcct | 29760 |
| 521 | gccctggacg | agggcgaggc | ctccgaccca | aagccctcct | cgcccagttc | cggcaagaca | 29820 |
| 522 | aacagctcca | gttcgaactg | agcctggcct | ccgagctcgg | gatgacctgg | ggccagatgc | 29880 |
| 523 | agcaggacat | gaccgaggcc | gagctcgccc | tctggcaggt | ccgggcccgc | tacctggagg | 29940 |
| 524 | aggagcgcct | caggtctccg | gtctgacctg | ggcaggcggc | tgcgaataga | cttcgatcag | 30000 |
| 525 | cggctgggcg | gttgtcttga | caagcacccc | acaggccgtg | aggatcagca | ccgtcgccac | 30060 |
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| 530 | gcctccgggc | attcgccgcc | ctgggtgtgg | tcgccaccgc | cggggccatg | gctaactcga | 30360 |
| 531 | tcctgcagat | ggggatgcag | gccgagaaca | ccgaggtgcg | ggtccggggg | ctcactgccg | 30420 |
| 532 | gcctggacga | ctacgcccgg | ttccaggagg | tggcccagga | ggccgcagcc | aagttcggcc | 30480 |
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| 534 | gcttcaccct | gtccgaggtg | cgggacgtct | acgagggctt | caacacggcg | gcccggaacg | 30600 |
| 535 | gcggctcgac | ggcccaggag | agcgagggcg | ccttccggca | gctggcccag | gccctgggct | 30660 |
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| 537 | tcgaggtggc | ccgggtcatg | ggcatcaacg | ccgggcagct | gcgcgagatg | gcggccgagg | 30780 |
| 538 | gcaagctcac | cggggacatc | gtcctcaagg | ccctgcagaa | catccgcacc | gagggggccg | 30840 |
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Input Set : N:\DA\pto.da.txt

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Input Set : N:\DA\pto.da.txt

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Input Set : N:\DA\pto.da.txt

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Input Set : N:\DA\pto.da.txt

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Input Set : N:\DA\pto.da.txt

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781 cttccaagcg agggtagcgg tttttccggg ttgaccaacc caaccttaac aaaaaacaaa 45420
782 taattttaaa cccaaatcta aaaaaggaca taacgcttcc ttcgatttct tgacattcat 45480
783 ttaaaacccg gtaaattccc tttttttat aatttccctc gttaaaaccc acttccacct 45540
                                                                      45570
784 ttcctttaaa accaacctcc tttttcctca
```

VERIFICATION SUMMARY

DATE: 04/04/2006 TIME: 10:11:12

PATENT APPLICATION: US/10/510,953

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04042006\J510953.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:20 M:310 E: (3) Wrong or Missing Sequence Type, numeric identifier <212>, for SEQ ID#:1